

ABSTRACT

The present invention provides a megacell 100, which is divided into a plurality of picocells 102. Each picocell 102 is serviced by a secondary base repeater node configured to transmit to any of three adjacent picocells 102. The base station 106 acts both as an originating information signal source and as an originating base station for transmitting a command signal. The command signal is a narrowband signal, which can be transmitted on a channel with sufficient range to reach the entire megacell. The information signal is a broadband signal with a short range picocell, which is transmitted from a secondary base repeater node to its adjacent neighbors.

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